



## G. Narayanamma Institute of Technology & Science (For Women) (Autonomous)

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Shaikpet, Hyderabad-500104

### DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)

<GN-R-18> (2022 - 2023) II B.Tech II Sem Hobby Project

on

“FIGHT THE ONLINE ABUSE”

In today's world social media has become an integral part of life. Everyday people are not only interacting with family and friends but also with strangers. This is where things get a little worrisome. With increasing number of people on social media there is also an increase in the number of people who do criminal activities like cyberbullying, harassment etc. as a repercussion of which discussing things you care about can become difficult.

The threat of abuse and harassment online means that many people stop expressing themselves and give up on seeking different opinions. Platforms struggle to effectively facilitate conversations, leading many communities to limit or completely shut down user comments. It helps to remove sensitive and abusive comments.

It is an NLP based project to fight online abuse using machine learning. The comments were first cleaned to remove stopwords, punctuations and non-alphanumeric characters. Then stemming was done to reduce corpus size. Finally various traditional machine learning algorithms and neural network were applied on pre-processed data to get the best result.

#### Software Requirements:

Datasets, Machine Learning Algorithms, Neural Network, Python.

#### Hardware Requirements:

8 Gb RAM and above, Intel core i3, Windows 10 and above, 256gb ssd.

\*Dept R&D: Yes / No

\* If No : GNITS



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